

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-015076**Date Inspected:** 21-Jun-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** OBG Trial Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) Trial Assembly Areas

Incident Report for Segment 9BE

This Quality Assurance (QA) Inspector wrote an Incident Report for Out of Flatness for Longitudinal Diaphragm Web at E4 Location for Segment 9BE between Panel Point (PP) 76 to PP 77 for more comprehensive details please refer the Incident Report 04-0120F4_TL-15_B278_06-21-2010_Longitudinal Diaphragm_Distorted_9BE between PP 76 and PP 77 Dated June 20, 2010. Please refer the attached pictures for more comprehensive details.

Incident Report for Segment 9CE

This Quality Assurance (QA) Inspector wrote an Incident Report for Out of Flatness for Bottom Panel E3 Location for Segment 9CE between Panel Point (PP) 76.25 to PP 77 for more comprehensive details please refer the Incident Report 04-0120F4_TL-15_B278_06-21-10_9CE_Out of Flatness_Bottom Panel_between PP 76.25 to PP77 Dated June 21, 2010. Please refer the attached pictures for more comprehensive details.

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Segment 7AW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 48 and PP 49 for Segment 7AW the Inspection was performed against the ABF Inspection Report No. CWAHIR-7AW-02 Dated June 15, 2010. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

Segment 7BW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 50, PP 51 and PP 52 for Segment 7BW the Inspection was performed against the ABF Inspection Report No. CWAHIR-7BW-02 Dated June 15, 2010. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

Segment 7CW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 53, PP 54 and PP 55 for Segment 7CW the Inspection was performed against the ABF Inspection Report No. CWAHIR-7CW-01 Dated December 17, 2009. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

Segment 7DW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 56, PP 57 and PP 58 for Segment 7DW the Inspection was performed against the ABF Inspection Report No. CWAHIR-7DW-01 Dated December 18, 2009. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

Segment 7EW (Cope Holes)

This QA Inspector performed Dimension Control Inspection for the Floor Beam to Bottom Panel Cope Holes, Floor Beam to Side Panel Cope Holes, Longitudinal Diaphragm Cope Holes East and West side of each Panel Point at Work Point (W4) from West Side at Panel Point (PP) 59 and PP 60 for Segment 7EW the Inspection was performed against the ABF Inspection Report No. CWAHIR-7EW-01 Dated September 10, 2009. The measured readings were recorded in the Dimension Control Form (DCP) and submitted to the Lead and Engineer for review.

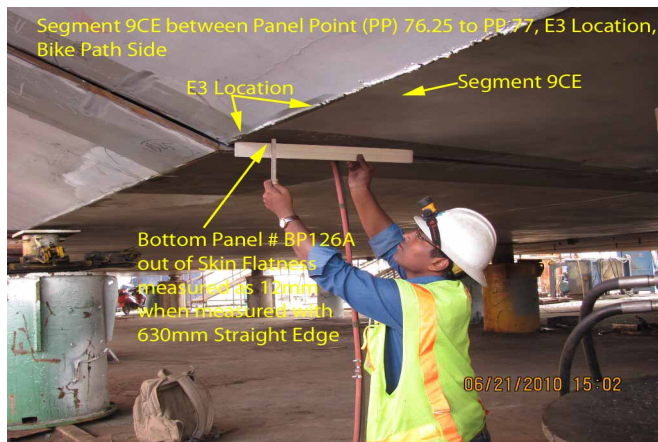
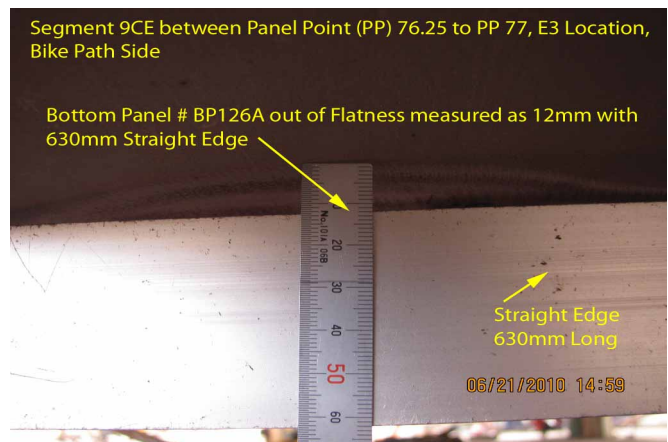
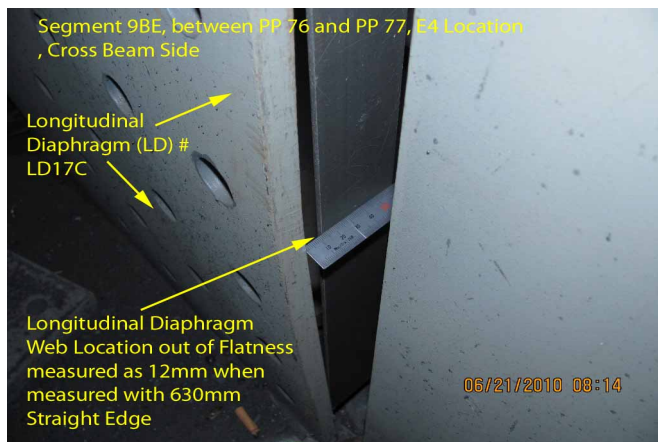
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Lift 7 West

This QA Inspector observed during random visual Inspection at Segment 7BW and 7DW at PP 50, PP 51, PP 57, PP 58 at Work Point W4, East side of the Floor Beam that Bottom Panel T-Rib Clip is been welded to Floor Beam as Drilled hole at Clips and Floor Beam are mis-matched till 5mm. The work is been performed against the ABF RFI # ABF-RFI-001758R00 Dated May 19, 2009.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric T Sang 1500-0042-2372, who represents the Office of Structural Materials for your project.

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Inspected By: Math,Manjunath

Quality Assurance Inspector

Reviewed By: Carreon,Albert

QA Reviewer